

Abstract

The invention relates to a device and a method for the quantitative gas analysis in which the gas analysis of a sample atmosphere is implemented by means of a sensor device, a diffusion seal being produced between the sample atmosphere contained in a sample system and a measuring chamber and the gas analysis of the sample atmosphere which is diffused into the measuring chamber being implemented with the sensor device, the sensor head (5) being able to be coupled to the measuring adapter (4) and the radiation source (16) and the detector device (17) being fixed to the measuring chamber (9) in a defined orientation and the measuring radiation (24) emitted from the radiation source (16) traversing at least once through the measuring chamber (9) and being detected by the detector device (17) after leaving the measuring chamber (9).

Fig. 8

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